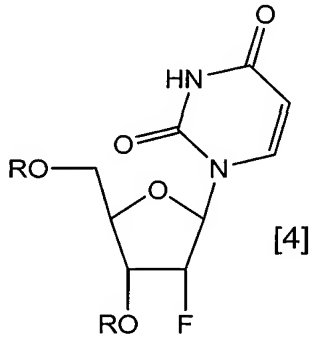
Amendments to the Claims:

The following listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

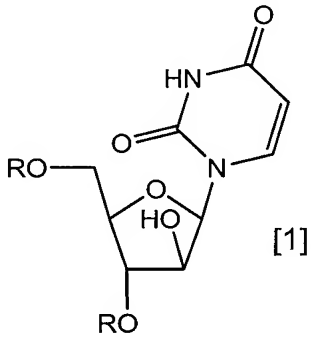
1-11. (canceled)

12. (new) A process for producing a hydroxyl-protected 2'-deoxy-2'-fluorouridine compound represented by formula [4],



[4]

wherein R represents a hydroxyl-protecting group , by reacting 1-β-D-arabinofuranosyluracil in 3',5'-hydroxyl-protected form, represented by formula [1],

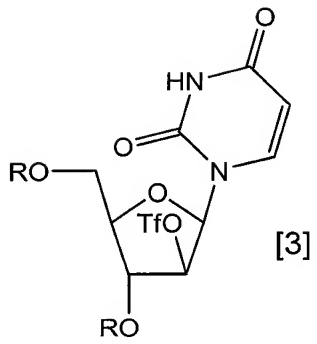


[1]

wherein R has the meaning given above, with a trifluoromethanesulfonylating agent represented by formula [2],

$$CF_3SO_2X \quad [2]$$

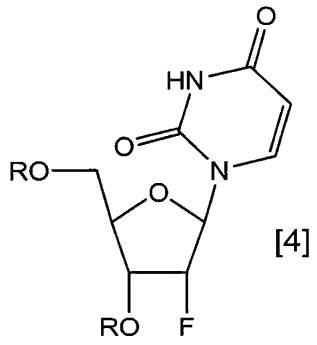
wherein X represents an F atom, Cl atom or CF_3SO_3 group, in the presence of an organic base, to convert it to a 2'-triflate compound represented by formula [3],



[3]

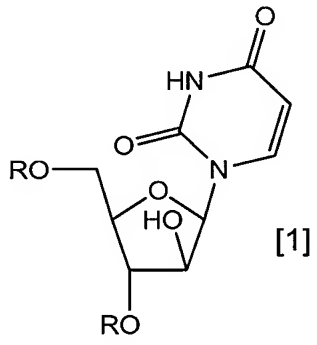
wherein R has the meaning given above, and Tf represents a CF_3SO_2 group, followed by reacting with a fluorinating agent comprising a salt or complex containing an organic base and hydrofluoric acid.

13. (new) A process for producing a hydroxyl-protected 2'-deoxy-2'-fluorouridine compound represented by formula [4],



[4]

wherein R represents a hydroxyl-protecting group , by reacting 1-β-D-arabinofuranosyluracil in 3',5'-hydroxyl-protected form, represented by formula [1],

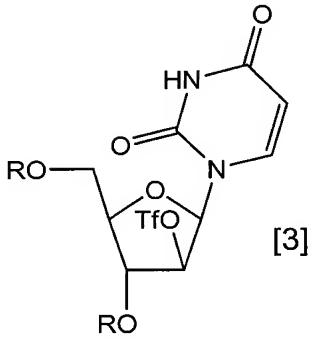


[1]

wherein R has the meaning given above, with a trifluoromethanesulfonylating agent represented by formula [5],

CF_3SO_2F [5]

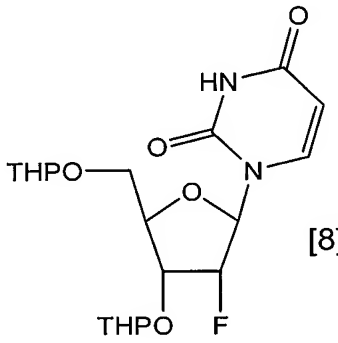
in the presence of triethylamine, to convert it to a 2'-triflate compound represented by formula [3],



[3]

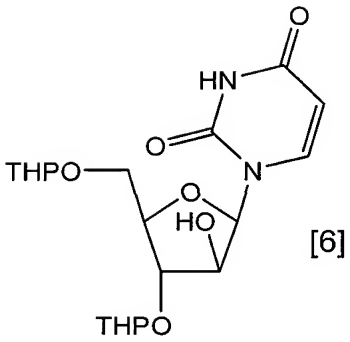
wherein R has the meaning given above, and Tf represents a CF_3SO_2 group, followed by reacting with a fluorinating agent comprising a salt or complex containing triethylamine and hydrofluoric acid.

14. (new) A process for producing a hydroxyl-protected 2'-deoxy-2'-fluorouridine compound represented by formula [8],



[8]

wherein THP represents a tetrahydropyranyl group, by reacting 1-β-D-arabinofuranosyluracil in 3',5'-hydroxyl-protected form, represented by formula [6],

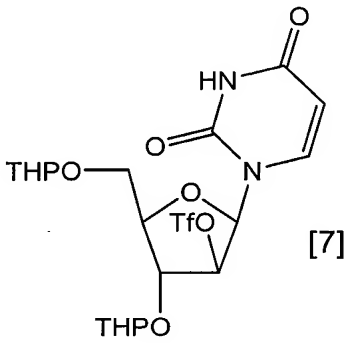


[6]

wherein THP has the meaning given above, with a trifluoromethanesulfonylating agent represented by formula [5],

$$CF_3SO_2F \quad [5]$$

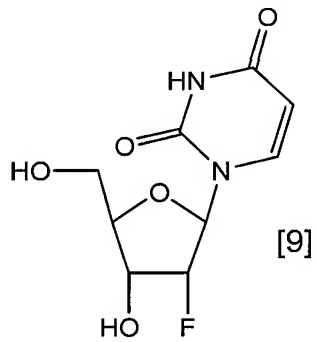
in the presence of triethylamine, to convert it to a 2'-triflate compound represented by formula [7],



[7]

wherein THP has the meaning given above, and Tf represents a CF_3SO_2 group, followed by reacting with a fluorinating agent comprising a salt or complex containing triethylamine and hydrofluoric acid.

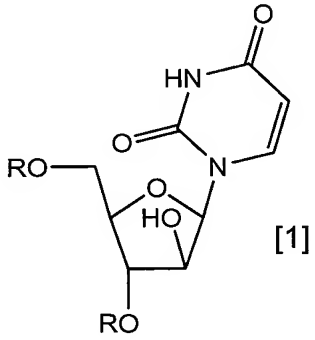
15. (new) A process for producing 2'-deoxy-2'-fluorouridine represented by formula [9],



[9]

the process comprising the steps of:

(a) reacting 1-β-D-arabinofuranosyluracil in 3',5'-hydroxyl-protected form, represented by formula [1],

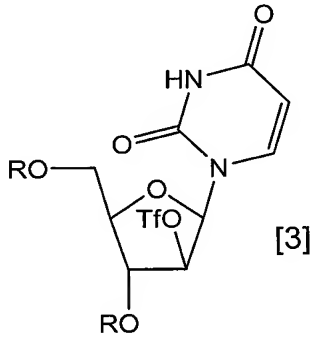


[1]

wherein R represents a hydroxyl-protecting group, with a trifluoromethanesulfonylating agent represented by formula [2],

$$CF_3SO_2X \quad [2]$$

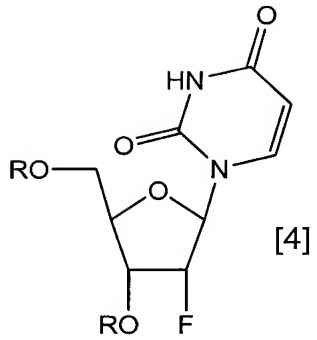
wherein X represents an F atom, Cl atom or CF_3SO_3 group, in the presence of an organic base, to convert it to a 2'-triflate compound represented by formula [3],



[3]

wherein R has the meaning given above, and Tf represents a CF_3SO_2 group,

(b) reacting the 2'-triflate compound represented by formula [3], with a fluorinating agent comprising a salt or complex containing an organic base and hydrofluoric acid, to convert it to a hydroxyl-protected 2'-deoxy-2'-fluorouridine compound represented by formula [4],

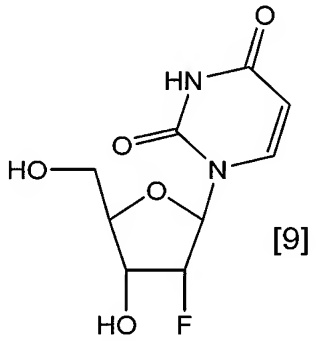


[4]

wherein R has the meaning given above, and

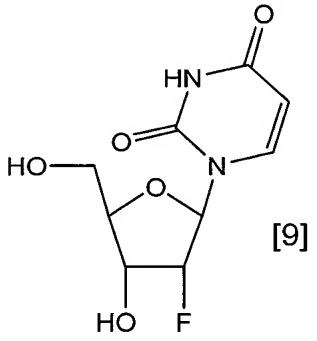
(c) reacting the hydroxyl-protected 2'-deoxy-2'-fluorouridine compound represented by formula [4], with a deprotecting agent.

16. (new) A process for purifying 2'-deoxy-2'-fluorouridine represented by formula [9],



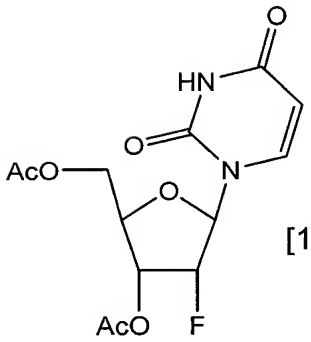
[9]

comprising reacting 2'-deoxy-2'-fluorouridine represented by formula [9],



[9]

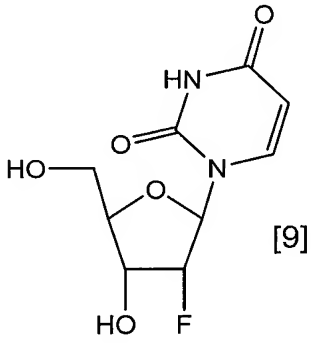
with an acetylating agent in the presence of an organic base, to convert it to 3',5'-diacetylated 2'-deoxy-2'-fluorouridine represented by formula [10],



[10]

wherein Ac represents an acetyl group, followed by a recrystallization purification of the 3',5'-diacetylated 2'-deoxy-2'-fluorouridine and then reacting with a deacetylating agent.

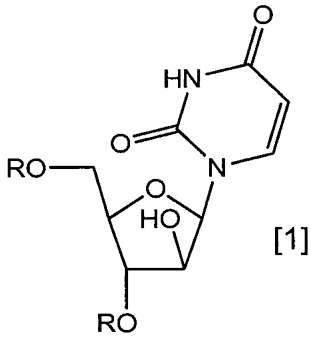
17. (new) A process for purifying 2'-deoxy-2'-fluorouridine represented by formula [9],



[9]

the process comprising the steps of:

(a) reacting 1-β-D-arabinofuranosyluracil in 3',5'-hydroxyl-protected form, represented by formula [1],

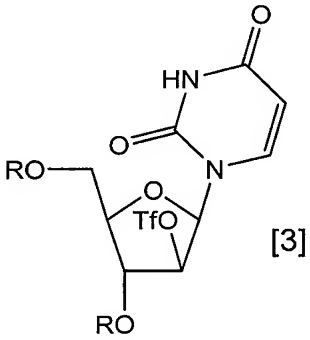


[1]

wherein R represents a hydroxyl-protecting group, with a trifluoromethanesulfonylating agent represented by formula [2],

CF_3SO_2X [2]

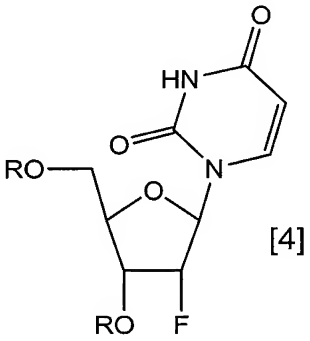
wherein X represents an F atom, Cl atom or CF_3SO_3 group, in the presence of an organic base, to convert it to a 2'-triflate compound represented by formula [3],



[3]

wherein R has the meaning given above, and Tf represents a CF_3SO_2 group,

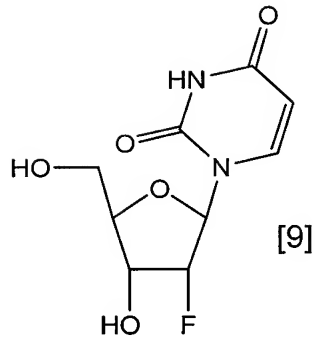
(b) reacting the 2'-triflate compound represented by formula [3], with a fluorinating agent comprising a salt or complex containing an organic base and hydrofluoric acid, to convert it to a hydroxyl-protected 2'-deoxy-2'-fluorouridine compound represented by formula [4],



[4]

wherein R has the meaning given above,

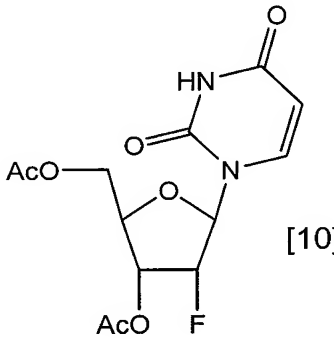
(c) reacting the hydroxyl-protected 2'-deoxy-2'-fluorouridine compound represented by formula [4], with a deprotecting agent, to convert it to 2'-deoxy-2'-fluorouridine represented by formula [9],



[9]

and

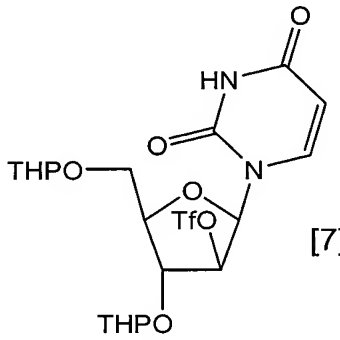
(d) reacting the 2'-deoxy-2'-fluorouridine represented by formula [9], with an acetylating agent in the presence of an organic base, to convert it to 3',5'-diacetylated 2'-deoxy-2'-fluorouridine represented by formula [10],



[10]

wherein Ac represents an acetyl group, followed by a recrystallization purification of the 3',5'-diacetylated 2'-deoxy-2'-fluorouridine and then reacting with a deacetylating agent.

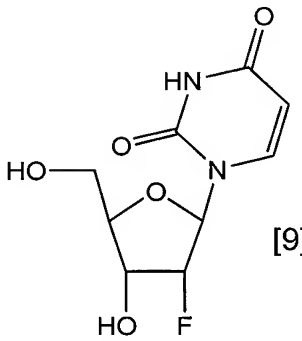
18. (new) A 2'-triflate compound represented by formula [7],



[7]

wherein THP represents a tetrahydropyranyl group, and Tf represents a CF_3SO_2 group.

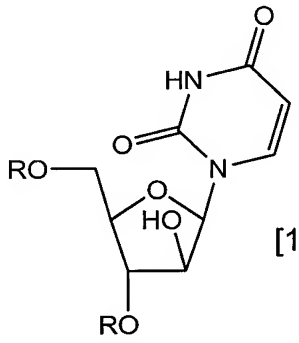
19. (new) A process for producing 2'-deoxy-2'-fluorouridine represented by formula [9],



[9]

the process comprising the steps of:

(a) reacting 1-β-D-arabinofuranosyluracil in 3',5'-hydroxyl-protected form, represented by formula [1],

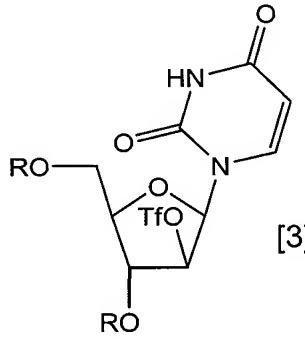


[1]

wherein R represents a hydroxyl-protecting group, with a trifluoromethanesulfonylating agent represented by formula [5],

$$CF_3SO_2F \quad [5]$$

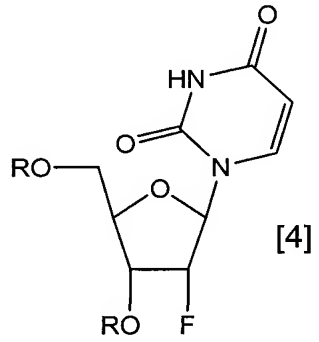
in the presence of triethylamine, to convert it to a 2'-triflate compound represented by formula [3],



[3]

wherein R has the meaning given above, and Tf represents a CF_3SO_2 group,

(b) reacting the 2'-triflate compound represented by formula [3], with a fluorinating agent comprising a salt or complex comprising containing triethylamine and hydrofluoric acid, to convert it to a hydroxyl-protected 2'-deoxy-2'-fluorouridine compound represented by formula [4],

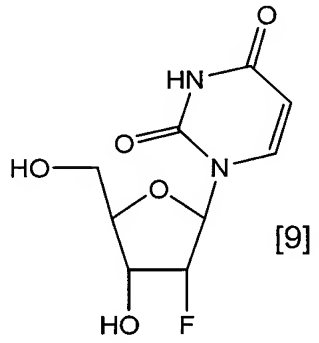


[4]

wherein R has the meaning given above, and

(c) reacting the hydroxyl-protected 2'-deoxy-2'fluorouridine compound represented by formula [4], with a deprotecting agent.

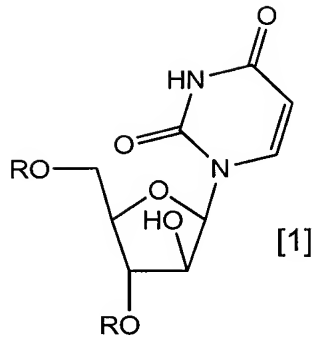
20. (new) A process for purifying 2'-deoxy-2'-fluorouridine represented by formula [9],



[9]

the process comprising the steps of:

(a) reacting 1-β-D-arabinofuranosyluracil in 3',5'-hydroxyl-protected form, represented by formula [1],

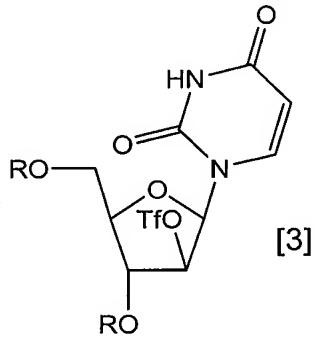


[1]

wherein R represents a hydroxyl-protecting group, with a trifluoromethanesulfonylating agent represented by formula [5],

$$CF_3SO_2F \quad [5]$$

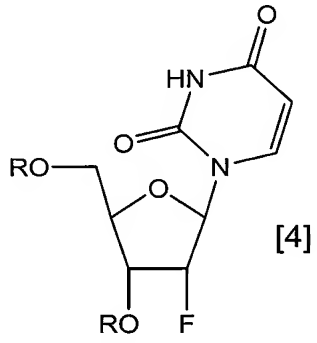
in the presence of triethylamine, to convert it to a 2'-triflate compound represented by formula [3],



[3]

wherein R has the meaning given above, and Tf represents a CF_3SO_2 group,

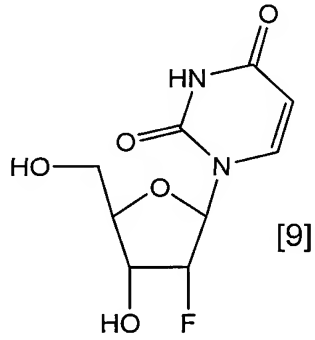
(b) reacting the 2'-triflate compound represented by formula [3], with a fluorinating agent comprising a salt or complex comprising containing triethylamine and hydrofluoric acid, to convert it to a hydroxyl-protected 2'-deoxy-2'-fluorouridine compound represented by formula [4],



[4]

wherein R has the meaning given above, and

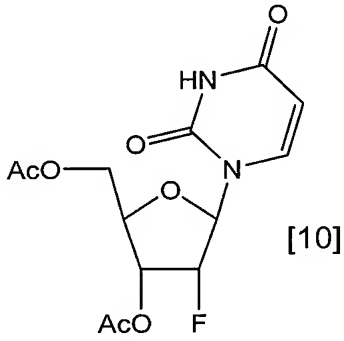
(c) reacting the hydroxyl-protected 2'-deoxy-2'fluorouridine compound represented by formula [4], with a deprotecting agent, to convert it to 2'-deoxy-2'-fluorouridine represented by formula [9],



[9]

and

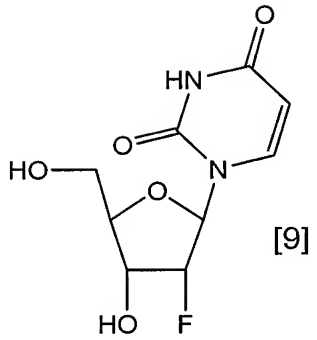
(d) reacting the 2'-deoxy-2'-fluorouridine represented by formula [9], with an acetylating agent in the presence of an organic base, to convert it to 3',5'-diacetylated 2'-deoxy-2'-fluorouridine represented by formula [10],



[10]

wherein Ac represents an acetyl group, followed by a recrystallization purification of the 3',5'-diacetylated 2'-deoxy-2'-fluorouridine and then reacting with a deacetylating agent.

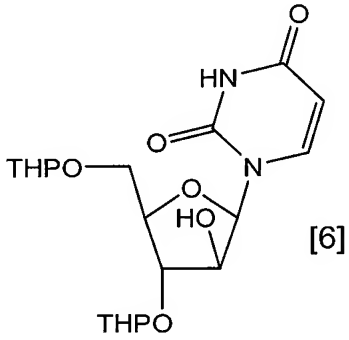
21. (new) A process for producing 2'-deoxy-2'-fluorouridine represented by formula [9],



[9]

the process comprising the steps of:

(a) reacting 1-β-D-arabinofuranosyluracil in 3',5'-hydroxyl-protected form, represented by formula [6],

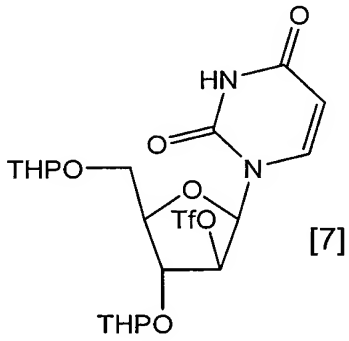


[6]

wherein THP represents a tetrahydropyranyl group, with a trifluoromethanesulfonylating agent represented by formula [5],

$$CF_3SO_2F \quad [5]$$

in the presence of triethylamine, to convert it to a 2'-triflate compound represented by formula [7],

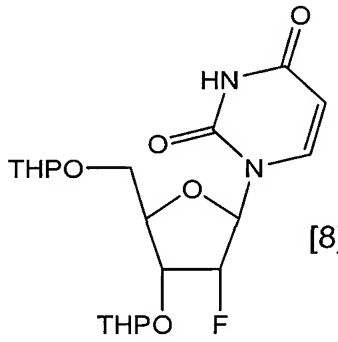


[7]

wherein THP has the meaning given above, and Tf represents a CF_3SO_2 group,

(b) reacting the 2'-triflate compound represented by formula [7], with a fluorinating agent comprising a salt or complex comprising containing

triethylamine and hydrofluoric acid, to convert it to a hydroxyl-protected 2'-deoxy-2'-fluorouridine compound represented by formula [8],

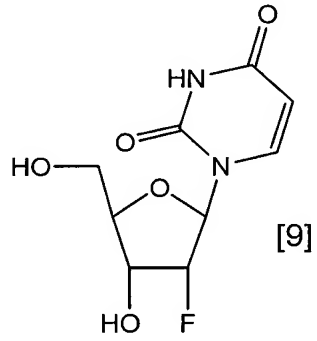


[8]

wherein THP has the meaning given above, and

(c) reacting the hydroxyl-protected 2'-deoxy-2'-fluorouridine compound represented by formula [8], with a deprotecting agent.

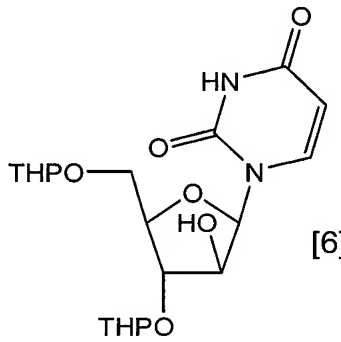
22. (new) A process for purifying 2'-deoxy-2'-fluorouridine represented by formula [9],



[9]

the process comprising the steps of:

(a) reacting 1-β-D-arabinofuranosyluracil in 3',5'-hydroxyl-protected form, represented by formula [6],

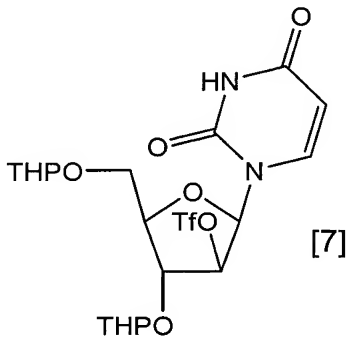


[6]

wherein THP represents a tetrahydropyranyl group, with a trifluoromethanesulfonylating agent represented by formula [5],

$$CF_3SO_2F \quad [5]$$

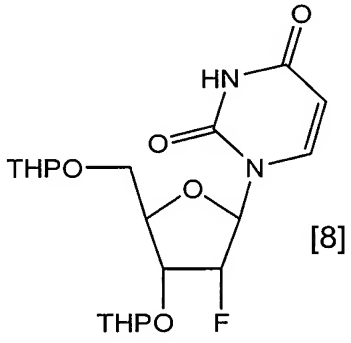
in the presence of triethylamine, to convert it to a 2'-triflate compound represented by formula [7],



[7]

wherein THP has the meaning given above, and Tf represents a CF_3SO_2 group,

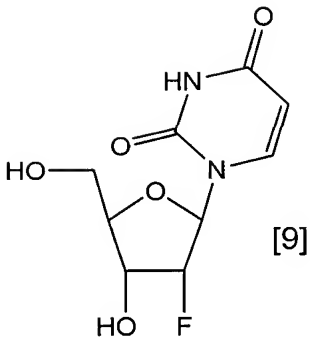
(b) reacting the 2'-triflate compound represented by formula [7], with a fluorinating agent comprising a salt or complex comprising containing triethylamine and hydrofluoric acid, to convert it to a hydroxyl-protected 2'-deoxy-2'-fluorouridine compound represented by formula [8],



[8]

wherein THP has the meaning given above, and

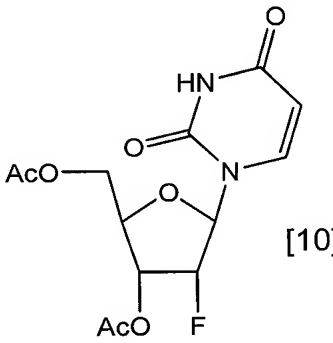
(c) reacting the hydroxyl-protected 2'-deoxy-2'-fluorouridine compound represented by formula [8], with a deprotecting agent, to convert it to 2'-deoxy-2'-fluorouridine represented by formula [9],



[9]

and

(d) reacting the 2'-deoxy-2'-fluorouridine represented by formula [9], with an acetylating agent in the presence of an organic base, to convert it to 3',5'-diacetylated 2'-deoxy-2'-fluorouridine represented by formula [10],



[10]

wherein Ac represents an acetyl group, followed by a recrystallization purification of the 3',5'-diacetylated 2'-deoxy-2'-fluorouridine and then reacting with a deacetylating agent.